

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

1990
Year of Revision

ALASKA DEPT. OF
FISH & GAME

SEP 28 1989

REGION II
HABITAT DIVISION

Anadromous Water Catalog Volume Arctic V

USGS Quad Demarcation Pt. D-4, D-5, C-5 (1:63,360)

Name of Waterway Jago River (North Slope)

Anadromous Water Catalog Number of Waterway

330-00-10156

Change to Atlas

Catalog

X Both

Addition X

Deletion

Correction

Name addition:

USGS name

Local name

For Office Use

Nomination #	<u>90</u>	<u>7</u>
<u>H. Helt</u>	<u>11/2/89</u>	
Regional Supervisor	Date	
<u>SJS</u>	<u>12/10/89</u>	
<u>FI</u>	<u>12/19/89</u>	
Drafted	Date	

Species	Date(s) Observed	Spawning	Rearing	Migration
Arctic char	8/11/89 - 9/11/89 7 capt - 5 obs.		X	

No barriers to movement observed.

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Electro fishing & seining data. Assumed juvenile because: Aer. Recog.

- 1) No adults captured, observed or reported in literature (Flown 9/24/89).
- 2) No overwintering in drainage reported - few deep pools.
- 3) No Fish obs. in some areas 1st. shocking, captured ^{fish} during 2nd shocking. 4) only 1 size class captured, 5) all fish immature in appearance, 6) freq. of occurrence highest nearest river mouth.

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available. Fish survey data enclosed.

Name of Observer (please print) Raymond V. Corning

Date: 9/27/89 Signature: Raymond V Corning

Address: Fisheries Mgmt. Services

Water Resources Branch

U.S. Fish & Wildlife Ser.

1011 E. Tudor

Anchorage, AK 99503

Signature of Area Biologist: William D. Arvey

William D. Arvey

Arctic Char Electrofishing Field Data
For the Jago River Drainage
1989 Summer Field Season

Fisheries Management Services
Water Resources Branch
U.S. Fish and Wildlife Service
1011 East Tudor
Anchorage, Alaska

Location: Mainstem Jago River, from 1002 boundary to 5 miles upstream.
Date: 8/1/89 Crew: Herger & Morse Map: Demarcation Pt D-4

Section	Map Location	Effort (min)	Shock Time(s)	W. Temp. deg F	Conduct. (umhos)
1	NE1/4 S11 T7N R35E Species: AC	(mm) 200	50	1484	52 100
2	NE1/4 S14 T7N R35E Species: None captured or observed.		60	1277	
3	NW1/4 S23 T7N R35E Species: None captured or observed.		55	1484	59 140
4	NE1/4 S27 T7N R35E Species: None captured or observed.		60	900	58 140
5	NE1/4 S34 T7N R35E Species: None captured or observed.		35	841	
		Mean:	52	1197.2	56.3 127
		Total:	5	5	3 3

Habitat Notes: Stayed on East side and mostly electrofished small side channels.
Section 1 - fish caught in turbid back waters.
Section 2 - good backwaters, long areas of very steep banks and fast water riffles.
Section 3 - some slower water, some grassy banks, mud and gravel substrate.
Section 4 - 2 to 2.5 ft deep pools, electrofished side channels and some of the main channel.
Section 5 - found the ninespine stickleback in a small grassy backwater.
One Arctic char and one ninespine stickleback captured.

Location: Mainstem of Jago River the Jago River (West side), from
1002 boundary upstream 5 miles.

Date: 8/27/89 Crew: Greci & Sander Map: Demarcation Pt D-4

Section	Map Location	Effort (min)	Shock Time(s)	W. Temp. deg F	Conduct. (umhos)
1	NE1/4 S11 T7N R35E (mm) Species: None captured or observed.	45	1379	48	260
2	NE1/4 S14 T7N R35E Species: None captured or observed.	40	1450	48	310
3	NW1/4 S23 T7N R35E Species: None captured or observed.	45	918	52	310
4	NE1/4 S27 T7N R35E Species: AC 160	45	1511	52	350
5	NE1/4 S34 T7N R35E Species: None captured or observed.	45	268	54	320
Mean:		44	1105.2	50.8	310
Total:		5	5	5	5

Habitat Notes: No comments recorded.

Altogether, 1 Arctic char was captured, 47 ninespine stickleback were captured, and over 600 ninespine stickleback observed.

Location: Mainstem of Jago River the Jago River (East side), from
1002 boundary upstream 5 miles.

Date: 8/27/89 Crew: Herger & Morse Map: Demarcation Pt D-4

Section	Map Location	Effort (min)	Shock Time(s)	W. Temp. deg F	Conduct. (umhos)
1	NE1/4 S11 T7N R35E (mm) Species: None captured or observed.	50	1410	52	260*
2	NE1/4 S14 T7N R35E Species: None captured or observed.	52	1182		310*
3	NW1/4 S23 T7N R35E Species: None captured or observed.	45	861	52	310*
4	NE1/4 S27 T7N R35E Species: AC Obs 1	47	834		350*
5	NE1/4 S34 T7N R35E Species: None captured or observed.	45	268	54	320*

Mean:	48.4	1043.4	52	310*
Total:	5	5	2	5

Habitat Notes: The conductivity meter malfunctioned, recorded values are from survey conducted on opposite side of river.
 Section 1 - side channel 30-40 ft wide, depth mostly under 1.5 ft, riffles, runs and few pools.
 Section 2 - side channel 30 ft wide, riffles and runs, 1-4 inch gravel with sand.
 Section 3 - clear but slightly stained, side channel 25-50 ft wide, 1 ft to knee deep, run-riffle-run.
 Section 4 - fast side channel, riffles, 1 ft deep, few side channels.
 Section 5 - mostly main channel.
 Altogether, 1 Arctic char was observed, 50 ninespine stickleback captured, and 71 ninespine stickleback observed.

Location: Mainstem of Jago River the Jago River (West side), from 5 miles above 1002 boundary upstream 5 miles.

Date: 8/30/89 Crew: Greci & Sander Map: Demarcation Pt D-5

Section	Map Location	Effort (min)	Shock Time(s)	W. Temp. deg F	Conduct. (umhos)
1	NE1/4 S4 T6N R35E (mm) Species: None captured or observed.	55	1204	45	240
2	NE1/4 S9 T6N R35E Species: None captured or observed.	35	1131	42	230
3	NW1/4 S16 T6N R35E Species: AC Obs 1	45	1631	42	220
4	SW1/4 S16 T6N R35E Species: None captured or observed.	50	2142	44	240
5	SE1/4 S20 T6N R35E Species: None captured or observed.	45	1364	46	390
Mean:		46	1494.4	43.8	264
Total:		5	5	5	5

Habitat Notes: Electrofishing conducted in clear pools, with most pools located in sections 1 and 2.
 Station 3 - some murky pools but mostly riffles.
 Altogether, 1 Arctic char was observed and 53 ninespine sticklebacks were captured. The Arctic char was observed in a riffle of a side channel, with water depth around 8 inches.

Location: Mainstem Jago River, from the mouth of Igilatvik Creek
upstream 5 miles.

Date: 9/1/89 Crew: Greci & Sander Map: Demarcation Pt D-5
& C-5.

Section	Map Location	Effort (min)	Shock Time(s)	W. Temp. deg F	Conduct. (umhos)
1	SW1/4 S20 T5N R35E (mm) Species: AC 168 AC 149 AC Obs 1	45	1798	41	170
2	NE1/4 S30 T5N R35E Species: None captured or observed.	45	1368	44	180
3	SW1/4 S30 T5N R35E Species: None captured or observed.	50	1804	44	165
4	NW1/4 S36 T5N R34E Species: AC 151	45	1517	45	160
5	SW1/4 S35 T5N R34E Species: None captured or observed.	45	2142	45	150
Mean:		46	1725.8	43.8	165
Total:		5	5	5	5

Habitat Notes: Section 1 - slow pools, turbid water, one Arctic char captured in a root node and debris.
Section 2 - faster water.
Section 4 - tannin stained water.
Altogether, 3 Arctic char were captured, 1 Arctic char was observed, 7 ninespine stickleback were captured and 7 ninespine stickleback were observed.

Location: Mainstem Jago River (West side), about 3 miles above the
mouth of Okpirourak Creek upstream 5 miles.

Date: 9/6/89 Crew: Greci & Sander Map: Demarcation Pt C-5

Section	Map Location	Effort (min)	Shock Time(s)	W. Temp. deg F	Conduct. (umhos)
1	SW1/4 S17 T4N R35E (mm) Species: None captured or observed.	30	676	43	270
2	SW1/4 S20 T4N R35E Species: AC Obs 1	40	1774	44	270
3	NE1/4 S30 T4N R35E Species: None captured or observed.	40	1567	45	280

4 NE1/4 S31 T4N R34E	50	2012	46	285
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Species: None captured or observed.

4 SE1/4 S4 T4N R34E	45	1606	46	290
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Species: None captured or observed.

Mean:	40.8	1527	44.8	279
Total:	5	5	5	5

Habitat Notes: Clear water, boulders throughout every station.
 Altogether, one Arctic char was observed.

Arctic Char Sein Haul Field Data
For the Jago River Drainage
1989 Summer Field Season

Fisheries Management Services
Water Resources Branch
U.S. Fish and Wildlife Service
1011 East Tudor
Anchorage, Alaska

Location: Mainstem Jago River, from 1002 boundary to 5 miles upstream.
Date: 9/9/89 Crew: Herger & Morse Map: Demarcation Pt D-4

Section	Map Location	Effort (min)
1	NE1/4 S11 T7N R35E (mm) Species: AC 205	60
2	NE1/4 S14 T7N R35E Species: None captured or observed.	40
3	NW1/4 S23 T7N R35E Species: AC 175	60
4	NE1/4 S27 T7N R35E Species: None captured or observed.	60
5	NE1/4 S34 T7N R35E Species: None captured or observed.	35
Mean:		50
Total:		5

Habitat Notes: Relatively clear water, low. Ninespine stickleback
observed at all stations.
Two Arctic char captured.

Location: Mainstem Jago River, from Igilatvik Creek mouth upstream
5 miles.
Date: 9/11/89 Crew: Greci & Sander Map: Demarcation Pt D-5

Section	Map Location	Effort (min)
1	SW1/4 S20 T5N R35E (mm) Species: None observed or captured.	45
2	NE1/4 S30 T5N R35E Species: None observed or captured.	30

3 SW1/4 S30 T5N R35E 45
Species: None observed or captured.

4 NW1/4 S36 T5N R34E 30
Species: AC Obs 1

3 SW1/4 S35 T5N R34E 50
Species: None observed or captured.

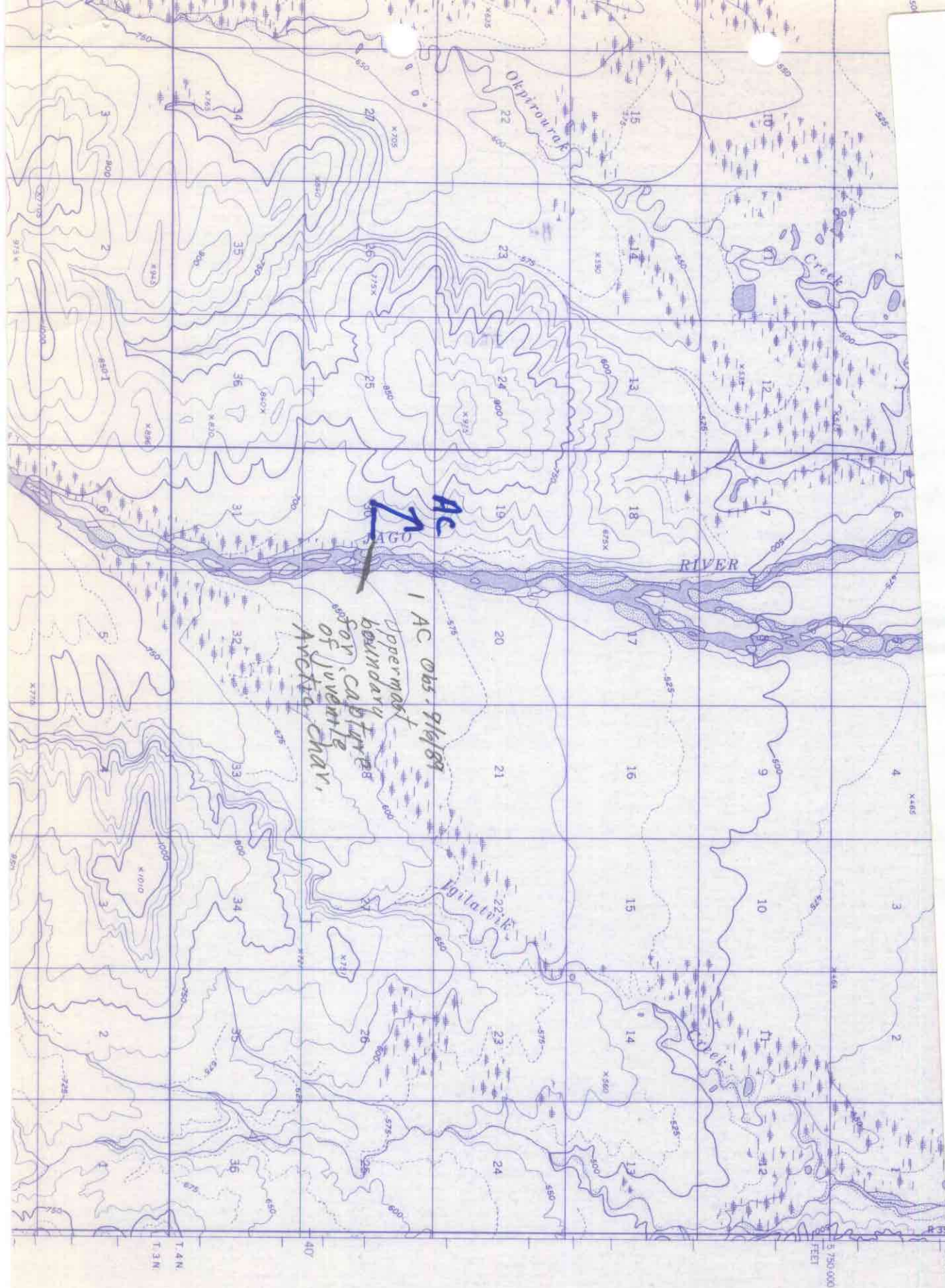
Mean: 40
Total: 5

Habitat Notes: Not much seizable water in the 5 miles of stream visited.

Section 3 - Lots of walking along bluff, not much seizable water, set net 3 times.

Section 4 - Arctic char was around the same size as char captured previously, lots of walking along a bluff.

Altogether, one Arctic char was observed.



AC
Uppermost
boundary
for capture
of juvenile
Arctic char,
1 AC Obs. 9/14/81

5,750,000
FEET

T 4 N
T 3 N